EXPLANATION

Odı Odg

Decorah formation Odi, Ion dolmite member.
Odg, Guttenberg limestone member

Opq

Platteville formation Opq, Quimbys Mill member

Vein, showing dip

Vertical vein

Veins of sphalerite shown in sections



Disseminated sphalerite shown in sections

Contact Dashed where approximately located

 $in\ sections$

Fracture, showing dip

Vertical fracture

Surface trace of copper-bearing crevice

Structure contour drawn on top of Quimbys Mill member of Platteville formation

Dashed where approximately located. Hachures indicate closed basins; arrow on contour indicates direction of dip. Contour interval 2 feet; datum is many and level.

mean sea level

Strike and dip of joints

Strike of vertical joint

Vertical drill hole

Upper number shows the thickness of Guttenberg lime-stone member; lower number thickness of Quimbys Mill member

 \times

Vertical control point underground Altitudes of contacts between Blue beds and Gray beds of the Ion member and Guttenberg limestone member of Decorah formation

X

Bottom of shaft

Sections of pitch-and-flat type veins in the Grayville mine. The Guttenberg limestone member has thinned to about 3 feet from a normal thickness

APPROXIMATE MEAN

Geology by John W Allingham and John E. Carlson, 1955

IOWA

LAFAYETTE

10 20 MILES

WISCONSIN ILLINOIS

INDEX MAP

IOWA

GRAYVILLE MINE